Serial No. 09/527,376 Docket No. 200125.407
Inventor(s): Ralf M. Luche et al.
Express Mail No. EV335612939US "REPLACEMENT SHEET"

CTTTTCCTGT ATTTTTTTGC TTCATTCTTG GTGTTTCGCT GACTGCTGAC CACTGACCCA
CCGCCTTGAT GACAGCACCC TCGTGTGCCT TCCCAGTTCA GTTCCGGCAG CCCTCAGTCA
GCGGCCTCTC GCAGATAACC AAAAGCCTGT ATATCAGCAA TGGTGTGGCC GCCAACAACA
AGCTCATGCT GTCTAGCAAC CAGATCACCA TGGTCATCAA TGTCTCAGTG GAGGTAGTGA
ACACCTTGTA TGAGGATATC CAGTACATGC AGGTACCTGT GGCTGACTCC CCTAACTCAC
GTCTCTGTGA CTTCTTTGAC CCTATTGCTG ACCATATCCA CAGCGTGGAG ATGAAGCAGG
GCCGTACTTT GCTGCACTGT GCTGCTGGTG TGAGCCGCTC AGCTGCCCTG TGCCTCGCCT
ACCTCATGAA GTACCACGCC ATGTCCCTGC TGGACGCCCA CACGTGGACC AAGTCATGCC
GGCCCATCAT CCGACCCAAC AGCGGCTTTT GGGAGCAGCT CATCCACTAT GAGTTCCAAT
TGTTTGGCAA GAACACTGTG CACATGGTCA GTTCCCCAGT GGGAATGATC CCTGCATTGG
AGTCAGAGGA AGTCCGTTTG ATGATTCCAC TGTGAGCCAT CCCACAGAGCC CCTGCATTGG
AGTCAGAGGT ACAGAACAAAA CAGATGATGC CTTTTATGAG CACAAAAAAG AGTTGCTGTA
GCTTTTAACT TTATAATCCA TTTTTTTCA GATTAAACTA ATTGTGAGAT GGTG

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MTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVAANNKLMLSSNQITMVINVSVEVVNTLYEDIQY MQVPVADSPNSRLCDFFDPIADHIHSVEMKQGRTLLHCAAGVSRSAALCLAYLMKYHAMSLLDA HTWTKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHMVSSPVGMIPDIYEKEVRLMIPL

	<del>, ,</del> -	10	ଅ	œ ·	<b>9</b>	50	99	20	980	96	100
PYST1, MCP-7, MCP-1, MCP-4, MCP-5, NWES DSP-2 Consensus	SOLORO DRE PROBLP PLSTSV PVPPSA SERALI	SOLORO-PNSATESOGSPLSNSQPSF ORELPSSATESOGSPVPSSQPAF PAQAL PPAGAENSNSDPRYPTYDGGG PLSTSVPDSAESGCSSCSTPLYDQGG PYPPSATEPLDLGCSSCGTPLHDQGG SERALISQCGKPVVNVSYRPAYDQGG VPSVG	PNSATOSOGSPLSNSQPSFI PSSATESOGSPVPSSQPGFI AGRENSNSOPRVPIYOGGG OSRESGCSSCSTPLHOQGGI EPLDLGCSSCGTPLHOQGGI QCGKPVVNVSYRPRYOQGGI MTRPSCRFPVQFRQPSVSG	SOLORO-PNSRTOSOGSPLSNSQPSFPVETLPFLYLGCAKOSTNLOYLEEFGIKYILNVTPNLPNLFEHGGEFKYKQIPISOHUSQNLSQFFPERISFID  ORELPSSATESOGSPVPSSQPAFPVQILPYLYLGCAKOSTNLOYLEFGIKYILNVTPNLPNAFEHGGEFKYKQIPISOHUSQNLSQFFPERISFID  ORELPSSATESOGSPVPSSQPAFPVQILPYLYLGSCNHSSDLQCLQACGITAVINVSASCPNHFEGLYQYKSIPVEDNAMVEISAHFQERISFID  PLSTSVPDSAESGCSSCSTPLYDQGGPVETLPFLYLGSAYHARRKDMLDALGITALLNVSANCPNHFEGHYQYKSIPVEDNHKADISSUFNERIDFID  PVPPSATEPLOLGCSSCGTPLHDQGGPVETLPFLYLGSAYHARRKDMLDALGITALLNVSRRTSEACHTHLHYKAIPVEDSHTADISSHFQERIDFID  VPSVGLTRILPHLYLGSAYHARSKCEFLANLHITALLNVSRRTSEACHTHLHYKAIPVEDSHTADISSHFQERIDFID  NTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVARNNKLMLSSNQITMYINVSVEVVNTLYEDIQYMQVPVADSPNSRLCOFFDPIADHIH  RTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVARNNKLMLSSNQITMYINVSVEVVNTLYEDIQYMQVPVADSPNSRLCOFFDPIADHIH	YLGCRKDSTNL YLGSCNHSSDL YLGSRYHRSRK YLGSRYHRRRR YLGSRYHRRRR YLGSRYHRSKC YLGSRYHRSKC YLGSRYHRSKC YLGSRYHRSKC YLGSRYHRSKC	NLDVLEEFGIKYILNVTI NLDVLEEFGIKYILNVTI DLQGLQRCGITRYLNVSI RKDMLDRLGITRLLNVSI RRDMLDRLGITRLLNVSI KCEFLRNLHITRLLNVSI NKDLMTQNGISYVLMSI NKCHLSSNQITRVINVSI NKLMLSSNQITRVINVSI	TILNVTPNLF VILNVSARCF NLINVSARCF NLLNVSBRCF NLLNVSRRTS VYLNASKRTS VYLNSSVEVV	PNLFENGGEFKY PNRFENGGEFKY PNRFEGLFH PNRFEGHYQY PNRFEGHYQY SERCMTHLHY SERCMTHLHY VNTLYEDIQY	PVEILPFLYLGCAKOSTNLOYLEEFGIKYILNVTPNLPNLFARGEFKYKQIPISOHHSQNLSQFFPERISFID PVGILPFLYLGCAKOSTNLOYLEEFGIKYILNVTPNLPNLFARGEFKYKQIPISOHHSQNLSQFFPERISFID PVEILPFLYLGSCHHSSDLQGLQACGITAYLNVSASCPNHFEGLFHYKSIPVEDNAMYEISAHFGERISFID PVEILPFLYLGSAYHARRKDMLDALGITALLNVSANCPNHFEGHYQYKSIPVEDNHKADISSUFMERIDFID PVEILPFLYLGSAYHARRKDMLDALGITALLNVSSDCPNHFEGHYQYKCIPVEDNHKADISSUFMERIEYID PVEILPFLYLGSAYHASKCEFLANLHITALLNVSRRTSEACHTHLHYKWIPVEDSHTADISSHFQERIDFID LYRILPHLYLGSQKDYLMKDLMTQNGISYYLMASNSCPKP-OFICESRFNRYPINDNYCEKLLPHLDKSIEFID LSQITKSLYISNGYRANNKLMLSSNQITMYINVSVEYVNTLYEDIQYMQVPYRDSPNSRLCDFFDPIADHIH PV IIP LYIES	NLSQFFPERISFID NLSQFFPERISFID EISAWFRERIEFID DISSWFWERIEFID DISSWFWERIEFID NLSSWFQERIDFID KLLPWLOKSIEFID IS f eai fId	SFID SFID SFID DFID DFID DFID FIA
	101	110	120	130	140	150	160	170173			
PYST1, MCP-7, PMC1 MCP-4, MCP-5, NVH5 ISP-2 Consensus	EARGKN EARSKK SVKNSG SIKNRG BVKDCR CVREKG KPKLSS SVEMKQ	RECKNCGVLVHCLAGISRSVTVTVAYLHQ ARSKKCGVLVHCLAGISRSVTVTVAYLHQ VKNSGGRVLVHCQAGISRSATICLAYLIQ IKNAGGRVFVHCQAGISRSATICLAYLHR VKDCRGRVLVHCQAGISRSATICLAYLHH VREKGGKVLVHCAGISRSATICHAYLHK AKLSSCQVIVHCLAGISRSATIAIAYTHK VEHKQGRTLLHCAAGASKSAATIAIAYTHK	HGISRSYTHEISRSYTHEISRSYTHEISRSHTJ HGISRSHTJ HGISRSPTJ HGISRSPTJ HGISRSHTJ HGISRSHTJ HGISRSHTJ HGISRSHTJ HGISRSHTJ HGISRSHTJ	ERRCKNCGVLVHCLAGISRSVTVTVAYLMQKLNLSHNDAYDIVKHKKSNISPNFNFHGQLLDFERTLGLSS ERRSKKCGVLVHCLAGISRSVTVTVAYLMQKHLSLNDAYDFVKRKKSNISPNFNFGQLLDFERTLGLSS SVKNSGGRVLVHCLAGISRSVTVTVAYLMQKHNLSLNDAYDFVKQRRGVISPNFSFHGQLLQFERTLGLSS SVKNSGGRVLVHCQAGISRSATICLAYLHRTNRVKLDEAFEFVKQRRSIISPNFSFHGQLLQFESQVLAPH SIKNAGGRVFVHCQAGISRSATICLAYLHKKRVRLEEAFEFVKQRRSIISPNFSFHGQLLQFESQVLAPH RVKDCRGRVLVHCAGISRSPTICHAYLHKTKQFRLKEAFDYIKQRRSIISPNFSFHGQLLQFESQVLATS CVREKGGRVLVHCLAGISRSATIAIAYTHKTHGMSSDDAYRFVKDRRPSISPNFNFLGQLLGYESEILPSTPN SVEHKQGRTLLHCARGVSRSARALCLAYLHKYHAHSLLDAHTWTKSCRPIIRPNSGFHEQLIHYEFQLFGKNTV  V k g vluhC AGISRSALIC AYLHKYHAHSLLDAHTWTKSCRPIIRPNSGFHEQLIHYEFQLFGKNTV	SANDAYDIYKHKKSNISPNFNFHGQLLDFE SLNDAYDFYKRKSNISPNFNFHGQLLDFE SLNDERFEFYKQRRGVISPNFSFHGQLLQFE /KLDERFEFYKQRRSIISPNFSFHGQLLQFE /RLEERFEFYKQRRSIISPNFSFHGQLLQFE -RLKERFDYIKQRRSHVSPNFGFHGQLLQYE 4SSDOAYRFYKDRRPSISPNFNFLGQLLEYE 4SLDRHTHTKSCRPIIRPNSGFHEQLIHYE 81 #A fvK rr !sPNF FngQLI yE	KKSNISPNEN KKSNISPNEN RRGVISPNES RRSIISPNES RRSINSPNEG RRSHVSPNEG RRPSISPNEG CRPIIRPNSG	FREGLLOFE FREGLLOFE FREGLLOFE FREGLLOFE FREGLLOFE FREGLLOFE FREGLLOFE FREGLLOFE	RTLGLSS RTLGLSS RTLGLSS TQVLCH SQVLRTS SQVLRTS SEILPSTPN RTLKLLR FQLFGKNTV	·		

FIG. 3